



**2021-2022**

**State 4-H Projects**

*Curriculum names are in italics and may not reflect actual exhibit requirements.*

**For more info:**

[Colorado4h.org](http://Colorado4h.org)

**Juniors 8-10 years**  
**Intermediates 11-13 years**  
**Seniors 14-18 years**

**All projects may be taken by Jr., Int., and Sr. members unless otherwise indicated by (\*).**

**New or Renamed state projects highlighted in yellow**

**Animal Science Projects:**

**Beef**

Breeding Beef  
Market Beef  
*Beef Resource Handbook*

**Dairy Cattle**

*Dairy Resource Handbook*

**Goats**

Breeding Goat  
Market Goat  
Dairy Goat  
Fiber Goat  
Pygmy Goat  
Utility Goat  
*Goat Resource Handbook*

**Poultry**

Breeding Chickens  
Market Chickens  
Showbirds  
Breeding Turkeys  
Market Turkeys  
Duck  
Geese  
Pigeons & Game Birds  
*Poultry Resource Handbook and more at Colorado4h.org*

**Rabbits**

Breeding Rabbits/Show  
Market Rabbit  
Companion Rabbits  
*Rabbit Resource Handbook for Breeding, Market, and Pet Rabbit Projects*

**Sheep**

Breeding Sheep  
Market Sheep  
*Sheep Resource Handbook for Market & Breeding Projects*

**Swine**

Breeding Swine  
Market Swine  
*Swine Resource Handbook for Market & Breeding Projects*

**Cat**

Unit 1 – *Purr-fect Pals*  
Unit 2 – *Climbing Up*  
Unit 3 – *Leaping Forward*  
*Cat Helper's Guide*

**Dog**

*Dog Resource Handbook*

**Horse**

*4-H Horse Project*  
*Horse Show Rulebook*  
*and more at Colorado4h.org*

**Horseless Horse**

*4-H Horse Project*  
Unit 1 – *Making Horse Sense*  
Unit 2 – *Hooves, Health & Horsemanship*  
Unit 3 – *Breaking Ground*  
Unit 4 – *Brushing Up on Horses*

**Veterinary Science**

Unit 1 – *From Airedales to Zebras*  
Unit 2 – *All Systems Go!*  
Unit 3 – *On the Cutting Edge*  
*Vet Science Helper's Guide*

**Communication, Arts & Leisure Sciences Projects:**

**4-H Filmmaking**

Animation, Narrative, Documentary, Promotional, Voices of 4-H History  
*4-H Filmmaking Workshop DVD*  
*Movie Magic*

**Ceramics**

Unit 1 – Glazes  
Unit 2 – Underglazes  
Unit 3 – Overglazes  
Unit 4 – Unfired Finishes  
Unit 5 – Porcelain Dolls  
Unit 6 – Hand-Constructed with Stone or Earthenware  
*Ceramics All Units*

**Global Citizenship**

Study of Another Country  
Hosting a Delegate from Another Country  
\*Youth Counselor (Int./Sr.)  
\*Exchange Delegate to Another Country (Int./Sr.)  
*Global Citizenship*

**Leadership**

\**Leadership Skills You Never Outgrow* (Jr Only)  
\**Leadership Road Trip* (Int./Sr.)  
\*Put Leadership to Practice/*Club Leadership 1* (Int./Sr.)

\**Refining Leadership Skills/Club Leadership 2* (Sr.)

\**Community Service Project/My Hands to Larger Service* (Sr.)

**Leathercraft**

Unit 1 – *Intro Leathercraft/Stamping*  
Unit 2 – *Beginning Leather Carving*  
Unit 3 – *Intermediate Leather Carving*  
Unit 4 – *Advanced Leather Carving*  
Unit 5 – *Coloring and Shading*  
Unit 6 – *Pictorial Carving*  
Unit 7 – *Making and Rebuilding Saddles*  
*Leathercraft Units 3-7*  
Unit 8 – *Advanced Creative Stamping*  
Unit 9 – *Braiding and Untooled*  
Unit 10 – *Sewing Leather*  
*Leathercraft Units 8-10*  
*Leathercraft Leader's Guide*

**Photography**

Unit 1 – *Photography Basics*  
Unit 2 – *Photography Basics (Part 2)*  
Unit 3 – *Next Level Photography*  
Unit 4 – *Mastering Photography*  
Unit 5 – *Lightning Photography*  
Unit 6 – *Advanced Photography*

**Scrapbooking**

One page, album, tag, and card making  
*Scrapbooking 101 – Avail. Dec. 2021*

**Visual Arts**

*Portfolio Pathways-Painting, Printing*  
*Sketchbook Crossroads-Drawing, Fiber & Sculpture*

**Family Consumer Science Projects:**

**Artistic Clothing**

*Upcycle Your Style* (Applied, Stitched, Combination Design)  
Unit 4 - *Recycled Clothing*  
Unit 5 - *Creative Sewing (Costumes, Other Items)*  
\*Unit 6 - *Buymanship* (Int./Sr.)  
\*Unit 7 - *Create Your Own* (Int./Sr.)  
*STEAM Activity-Beyond the Needle*  
*Optional Weartec manuals available*

**Cake Decorating\***

Unit 1 – *Edible Cake Decorating*  
Unit 2 – *Single Layered Cake*  
Unit 3 – *Two Layered Cake with Tips*  
*Cake Decorating, Units 1-3*  
Unit 4 – *Character Cakes*  
Unit 5 – *Small Treats*  
Unit 6 – *Cut-Up Cakes*  
*Cake Decorating, Units 4-6*  
\*Unit 7 – *Flat Surface & Nail Flowers* (Int./Sr.)  
\*Unit 8 – *Fondant* (Int./Sr.)  
\*Unit 9 – *Lily Nail Flowers* (Int./Sr.)  
*Cake Decorating, Units 7-9*  
\*Unit 10 – *Tiered Cakes* (Sr. only)  
\*Unit 11 – *Molds* (Sr. only)  
\*Unit 12 – *Create Your Own* (Sr. only)  
*Cake Decorating, Units 10-12*



### **Clothing Construction**

- Unit 1 – *STEAM Clothing 1 FUNdamentals* (Jr./Int./Sr.)
- Unit 2 – *STEAM Clothing 2 Simply Sewing* (Jr./Int./Sr.)
- \*Unit 3 – *STEAM Clothing 3 A Stitch Further, 4-H Textile Experiments* (Int./Sr.)
- Unit 4** – *Sewing for Others* (Jr./Int./Sr.)

### **Foods and Nutrition**

- Unit 1 – *Cooking 101*
- Unit 2 – *Cooking 201*
- Unit 3 – *Cooking 301*
- Unit 4 – *Cooking 401*
- 4-H Cooking Helper's Guide*
- Foods and Nutrition: Specialty Foods**
- Unit 5** – *Outdoor Cooking & Living*
- Unit 6** (Int./Sr.) – *Cultural and Ethnic Foods*
- Unit 7** (Int./Sr.) – *Passport to Foreign Cookery*

### **Food Preservation**

- Unit 1** – *Drying*
- Unit 2** – *Freezing*
- Unit 3** – *Boiling Water Canning*
- Unit 4** – *Pressure Canning* (Int./Sr.)

### **Heritage Arts**

- Crochet*
- Knitting*
- Misc. Fiber (*Needle Arts, Weaving, Spinning, Felted Bags, Batiked Fabric, Hooked Pillows, Ethnic Arts, Rug Making, Macramé, etc.*)
- Misc. Non-Fiber (*Beading, Silver Smithing, Paper Scrolling, etc.*)
- Quilting* – Units 1-4

### **Home Design & Décor**

- Unit 1*
- Unit 2*
- Unit 3*
- Unit 4*

### **Natural Resources Projects:**

#### **Beekeeping**

- Unit 1 – *Beekeeping Division 1*
- Unit 2 – *Beekeeping Division 2*
- Unit 3 – *Beekeeping Division 3*
- \*Unit 4 – *Advanced Beekeeping* (Int./Sr.)

#### **Entomology**

- Teaming with Insects – Level 1*
- Teaming with Insects – Level 2*
- Teaming with Insects – Level 3*

### *Teaming with Insects Facilitator's Guide*

#### **Gardening**

- Unit 1 – *See Them Sprout*
- Unit 2 – *Let's Get Growing!*
- Unit 3 – *Take Your Pick*
- \*Unit 4 (Sr. only) – *Growing Profits Gardening Helper's Guide*

#### **Outdoor Adventures**

- Unit 1 – *Hiking Trails*
- Unit 2 – *Camping Adventures*
- Unit 3 – *Backpacking Expeditions*
- Outdoor Adventure Helper's Guide*

#### **Shooting Sports**

- Air Rifle
- Archery – *Basic Archery*
- Caliber Rifle (.22) – *4-H Rifle .22 Pistol – 4-H Pistol*
- Shotgun – *4-H Shotgun*
- Muzzleloading
- Air Pistol
- Outdoor Skills
- Western Heritage – *4-H Western Heritage Project*

#### **Sportfishing**

- Unit 1 – *Take the Bait*
- Unit 2 – *Reel in the Fun*
- Unit 3 – *Cast into the Future*
- Sportfishing Helper's Guide*

#### **Wildlife**

- Unit 1 – *The Worth of Wild Roots*
- Unit 2 – *Living Wild in an Ecosystem*
- Unit 3 – *Managing in a World with You and Me*

#### **Mechanical Sciences Projects:**

#### **Computer Power Unlimited Series**

- Discovering Computer Science & Programming Through Scratch Level 1 Level 1 Facilitator Guide*
- \**Discovering Computer Science & Programming Through Scratch Level 2* (Int./Sr.)
- \**Discovering Computer Science & Programming Through Scratch Level 3* (Int./Sr.)
- \**Computers in the 21<sup>st</sup> Century* (Int./Sr.)

#### **Electric**

- Unit 1 – *Magic of Electricity*
- Unit 2 – *Investigating Electricity*
- Unit 3 – *Wired for Power*
- \*Unit 4 – *Advanced Electronics* (Sr.)
- Electric Group Helper's Guide*

#### **Metalworking (Welding)**

- Unit 1 – *Introduction to Welding*
- Unit 2 – Metal Fabrication**
- Unit 3 – Advanced Metal Fabrication**
- Unit 4 – Advanced Metal Fabrication (Large Projects)**
- Arcs & Sparks, Units 1-3*

#### **Model Rocketry**

- Unit 1 – *Introduction*
- Unit 2 – *Basic*
- Basic Model Rocketry Units 1 & 2*
- Unit 3 – *Intermediate*
- Unit 4 – *Advanced*
- Unit 6 – *Designer*

#### **Robotics & Engineering**

- Unit 1 – *Give Robots a Hand*
- Unit 2 – *Robots on the Move*
- Unit 3 – *Mechatronics*
- Unit 4 – *Robotics Platforms Beginners*
- Unit 5 – *Robotics Platforms Intermediate*
- Unit 6 – *Robotics Platforms Advanced*
- Unit 7 – *Team Robotics*
- Youth Robotics Notebook*
- Robotics with EV3*

#### **Small Engines**

- Unit 1 – *Crank It Up*
- Unit 2 – *Warm It Up*
- Unit 3 – *Tune It Up*
- Unit 4 – *Advanced Engines—Self-Determined*
- Small Engines Helper's Guide*

#### **Woodworking**

- Unit 1 – *Measuring Up*
- Unit 2 – *Making the Cut*
- Unit 3 – *Nailing It Together*
- Unit 4 – *Finishing Up*
- Woodworking Wonders Helper's Guide*

#### **Ages 5-7 years:**

#### **Cloverbuds**

- Cloverbuds: A 4-H Discovery Program for 6-8 Year Olds*
- Cloverbuds Activity Package*

#### **Supplemental:**

#### **Self-Determined**